Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/10/2021 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123292	-2	5.55	123205	5.50
Blue	F	SSC	125000	123186	-2	6.48	123603	6.42
Blue	E	FITC	13131	12634	-4	6.56 (1)	291	18.17
Blue	D	PE	24112	23301	-4	6.48	533	13.48
Blue	B	PerCP-Cy5-5	31295	30182	-4	6.87	999	17.37
Blue	A	PE-Cy7	19939	19441	-3	8.95	515	34.09
Red	C	APC	42122	41351	-2	3.64	1738	12.24
Red	A	APC-Cy7	22340	21690	-3	4.22	809	12.70
Violet	B	V450	7410	6983	-6	6.03 (2)	425	14.21
Violet	A	V500	28118	26720	-5	5.68	667	11.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21761	5.02	600	31	N/A	N/A	Pass
Blue	F	SSC	55825	6.22	531	19	N/A	N/A	Pass
Blue	E	FITC	52	60.11	498	11	0.0330	147	Pass
Blue	D	PE	109	42.36	501	13	0.3117	302	Pass
Blue	B	PerCP-Cy5-5	182	40.54	600	14	0.0153	48	Pass
Blue	A	PE-Cy7	99	78.37	646	18	0.0166	0	Pass
Red	C	APC	402	24.63	583	7	0.0234	69	Pass
Red	A	APC-Cy7	179	29.65	559	8	0.0054	1028	Pass
Violet	B	V450	59	67.63	463	10	0.0497	2123	Pass
Violet	A	V500	95	39.10	475	10	0.0219	1087	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.43	-31.20	1.05
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.16	13.60 - 20.40	N/A	N/A	29.62	29.85	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10172

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments